

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Inventors: Rahul MALIK, et al.

Application No.: New PCT National Stage Application

Filed: June 22, 2006

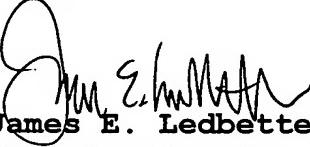
For: WIRELESS TRANSMISSION APPARATUS AND WIRELESS  
TRANSMISSION METHODINFORMATION DISCLOSURE STATEMENTAssistant Commissioner of Patents  
Washington, DC 20231

Dear Sir:

Pursuant to Rules 56 and 99, Applicants hereby call the attention of the Patent Office to the art listed on the attached Form PTO 1449. Copies of the art cited in the International Search Report (ISR), which issued by the JPO, are made available to the U.S. examiner in the national stage application, pursuant to MPEP 1893.03(g), and therefore copies of such art are not submitted herewith. The art cited in the ISR is listed on the attached PTO-1449 for an indication of consideration by the examiner. Copies of any other references listed on the PTO-1449, besides those cited in the ISR, are submitted herewith. The following documents are discussed in the present application; "IEEE 802.11b-1999," at page 1, line 22, "IEEE 802.11a-1999," at page 2, line 2 and "J. ROSDALHL, et al.," at page 2, line 10 et al. US '078 corresponds to JP '218 and US '752 corresponds to JP '611.

Applicants present this art so that the Patent Office may, in the first instance, determine any relevancy thereof to the presently claimed invention, see Beckman Instruments, Inc. v. Chemtronics, Inc., 439 F.2d 1369, 1380, 165 USPQ 355, 364 (5th Cir. 1970). Also see Patent Office Rules 104 and 106. Applicants respectfully request that this art be expressly considered during the prosecution of this application and made of record herein and appear among the "References Cited" on any patent to issue herefrom.

Respectfully submitted,

  
James E. Ledbetter  
Registration No. 28,732

Date: June 22, 2006

JEL/spp

ATTORNEY DOCKET NO. L9289.06164

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FORM PTO-1449 U.S. Department of Commerce  
(Rev. 4/92) Patent and Trademark Office

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

|                                      |  |
|--------------------------------------|--|
| ATTY. DOCKET NO.<br><br>L9289.06164  | SERIAL NO.<br><br>10/584495<br>New PCT Nat'l Stage Application |
| APPLICANT<br><br>Rahul MALIK, et al. |  |
| FILING DATE<br><br>June 22, 2006     | GROUP<br><br>Unassigned  |

**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL | DOCUMENT NUMBER |   |   |   |   |   |   | DATE | NAME    | CLASS         | SUBCLASS | FILING DATE IF APPROPRIATE |
|------------------|-----------------|---|---|---|---|---|---|------|---------|---------------|----------|----------------------------|
|                  | 2004            | 0 | 0 | 7 | 1 | 0 | 7 | 8    | 04/2004 | Sudo          |          |                            |
|                  | 2003            | 0 | 0 | 6 | 4 | 7 | 5 | 2    | 04/2003 | Adachi et al. |          |                            |
|                  |                 |   |   |   |   |   |   |      |         |               |          |                            |
|                  |                 |   |   |   |   |   |   |      |         |               |          |                            |
|                  |                 |   |   |   |   |   |   |      |         |               |          |                            |
|                  |                 |   |   |   |   |   |   |      |         |               |          |                            |

**FOREIGN PATENT DOCUMENTS**

|  |      | DOCUMENT NUMBER |    |   |   |   |   |         | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |
|--|------|-----------------|----|---|---|---|---|---------|------|---------|-------|----------|-------------|
|  |      | YES             | NO |   |   |   |   |         |      |         |       |          |             |
|  | 2003 | 3               | 0  | 4 | 2 | 1 | 8 | 10/2003 | JP   |         |       |          |             |
|  | 2003 | 3               | 4  | 8 | 0 | 4 | 5 | 12/2003 | JP   |         |       |          |             |
|  | 2003 | 1               | 7  | 9 | 6 | 1 | 1 | 06/2003 | JP   |         |       |          |             |
|  |      |                 |    |   |   |   |   |         |      |         |       |          |             |
|  |      |                 |    |   |   |   |   |         |      |         |       |          |             |
|  |      |                 |    |   |   |   |   |         |      |         |       |          |             |
|  |      |                 |    |   |   |   |   |         |      |         |       |          |             |

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

|   |
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| T. NISHIMURA, et al.; "MIMO Channel deno SDMA Kudari Kaisen Beam-gata Seiho," The Institute of Electronics, Information and Communication Engineers Gijutsu Kenkyu Hokoku, Oct. 13, 2001, vol. 101, no. 371, pp. 23-30.   |
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| J. ROSDAHL, et al.; "Draft PAR for High Throughout Study Group," doc.: IEEE802.11-02/798r7, March 2003, pp. 1-9.  |

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.